From: **Sam Sykes** <ssykes@eceplanning.com>
Date: Thu, 20 Feb 2025 at 15:05
Subject: P2103i - Buckingham Park Drainage Comments Response
To: Peter Barnett <peter.barnett@adur-worthing.gov.uk>
Cc: Kate Brocklebank, Tedridge, Louise, Planning, Tom Butler, Sam Alderson

Hi Peter,

We have reviewed WSP comments attached. Please find the infiltration testing and groundwater monitoring results that support the drainage scheme for the Buckingham Park Café redevelopment via the following link:

https://www.dropbox.com/t/KHkvCszDLD9fcQLu

The drainage proposals refer to infiltration testing and groundwater monitoring carried out at the site in 2016 - See Document R16-11420. The infiltration testing was carried out to a depth of 2m below ground level (BGL) and the proposed soakaway should be constructed at a similar level. Infiltration potential is expected to reduce at shallower depths due to the overlying thicker clay soils.

With regards to the groundwater monitoring, a number of groundwater investigations have been carried out at the site:

1. A 3m deep standpipe with data logger recording every 15 minutes from 17th May to 8th June 2016 – Recorded no groundwater at any time. See Report R16-11420,
2. The same 3m deep standpipe was accessed on 28th June 2024 – Recorded no groundwater. See Report R16262,
3. Following an email from WSP attached in May 2024 noting the unusually high groundwater levels. A new 4m deep borehole was installed and monitored fortnightly from 7th June to 10th July 2024 - Recorded no groundwater at any time. See Report 21462/IR.

We do note that the groundwater monitoring has been conducted outside of the normal drier months, however as the testing has shown levels to be at least 2m below the proposed soakaway base despite following a period of unusually heavy rain, that the use of soakaways is the most suitable method of managing surface water at the site. Hopefully this allows you to discharge Planning Conditions 8 and 9.

If you have any questions or want to discuss, please don't hesitate to contact me on the number below.

Kind Regards

Sam Sykes MRTPI
Director